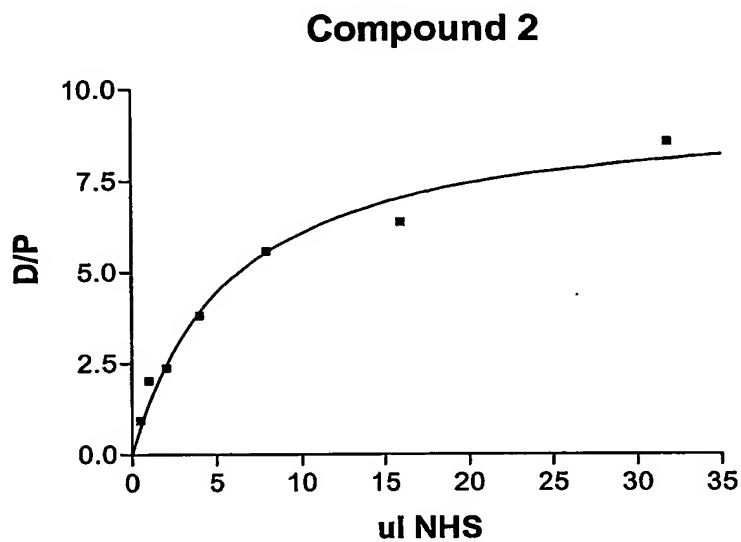
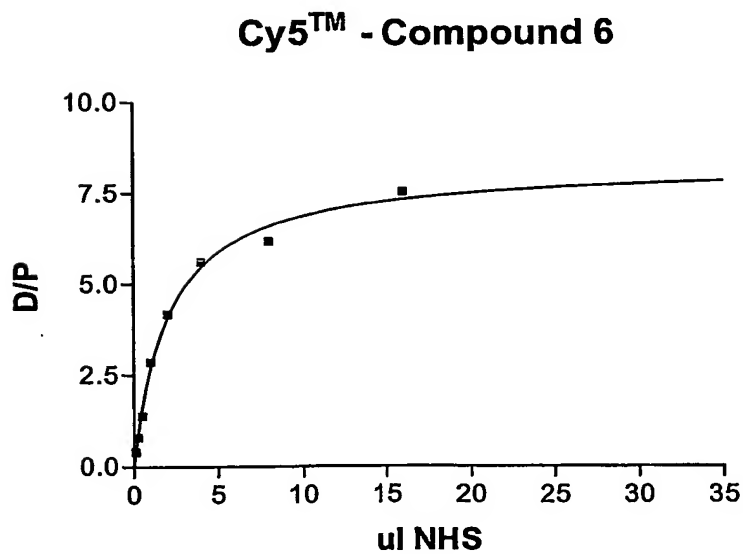


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**Plots of dye/protein ratio versus amount of applied NHS ester,  
for Compound 2 and Compound 6.**



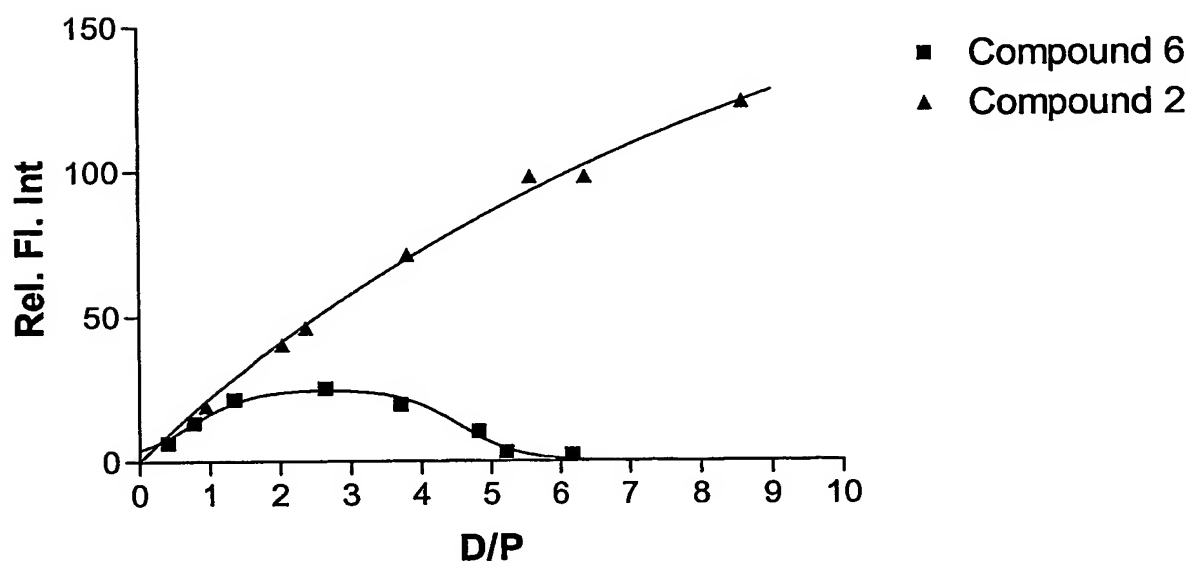
**FIGURE 1A**



**FIGURE 1B**

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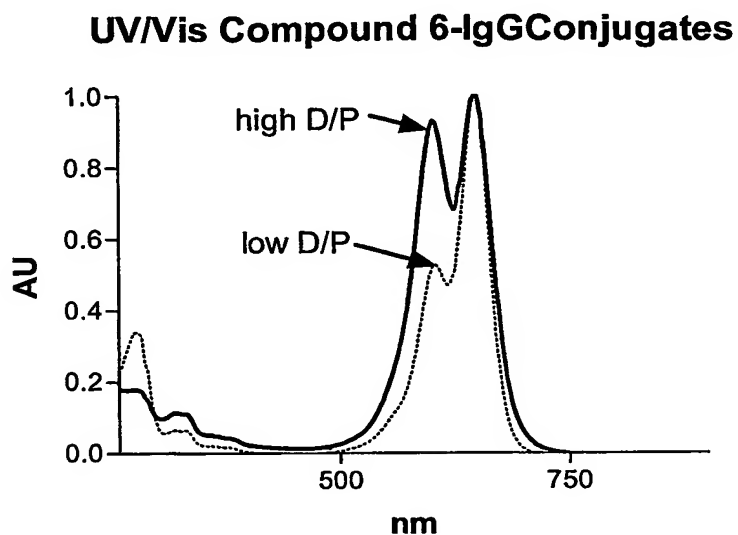
**Plot of relative fluorescence intensity versus dye/protein ratio, at constant antibody concentration, for pentamethine cyanine dyes.**



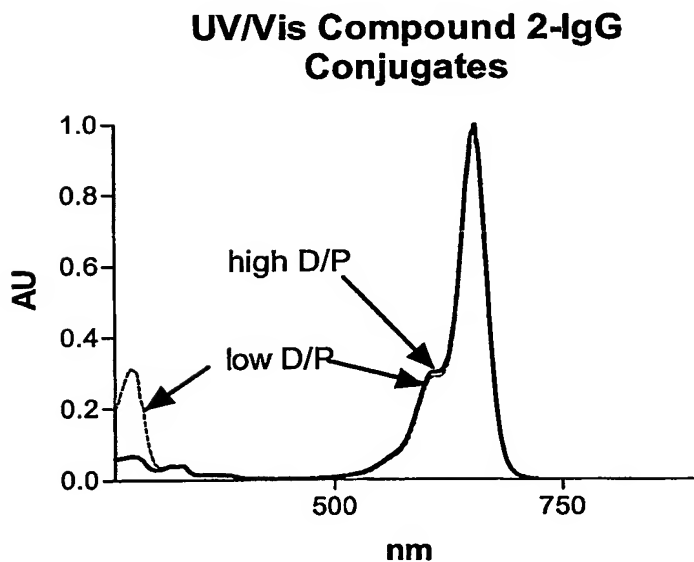
**FIGURE 2**

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**Absorption Spectra of IgG Conjugates of Compound 6 and Compound 2 at low- and high-dye/protein ratios.**



**FIGURE 3A**

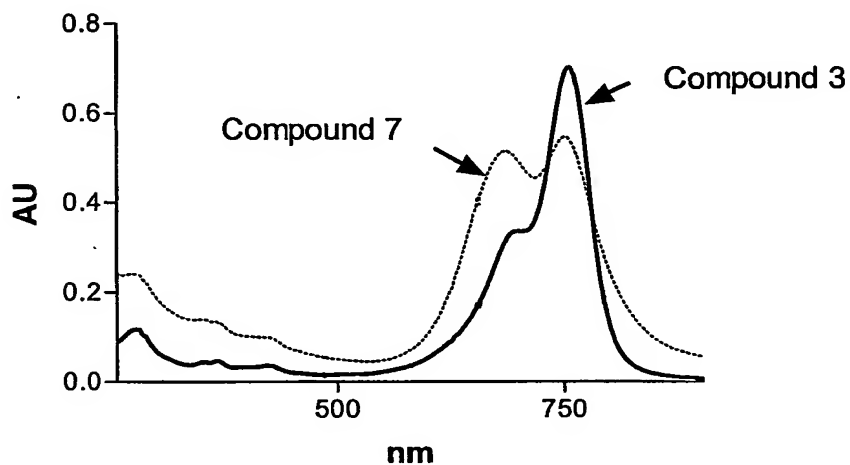


**FIGURE 3B**

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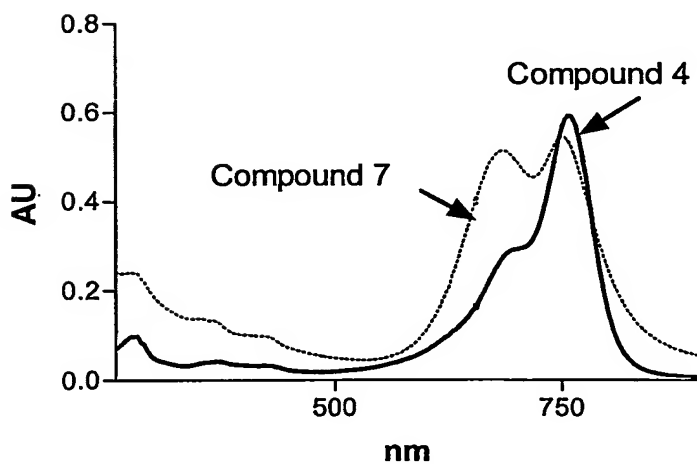
**Absorption Spectra of IgG Conjugates of Compound 7  
compared with Compounds 3 and 4 at high-dye/protein ratios.**

**UV/Vis of Compound 3-IgG and  
7-IgG conjugates**



**FIGURE 4A**

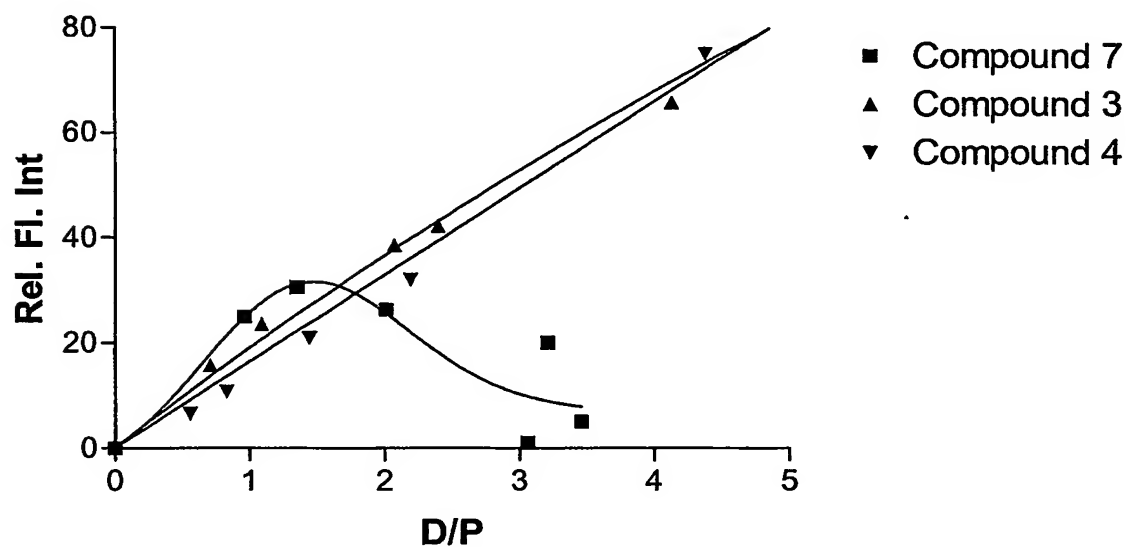
**UV/Vis of Compound 4-IgG and  
Compound 7-IgG conjugates**



**FIGURE 4B**

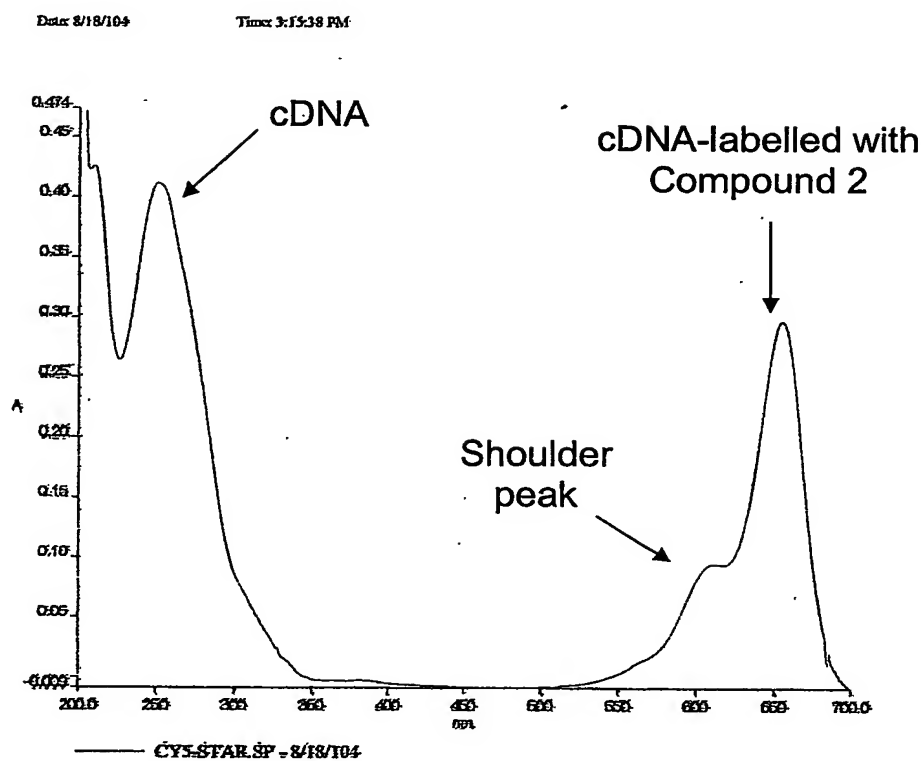
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**Plot of relative fluorescence intensity versus dye/protein ratio  
for heptamethine cyanine dyes.**

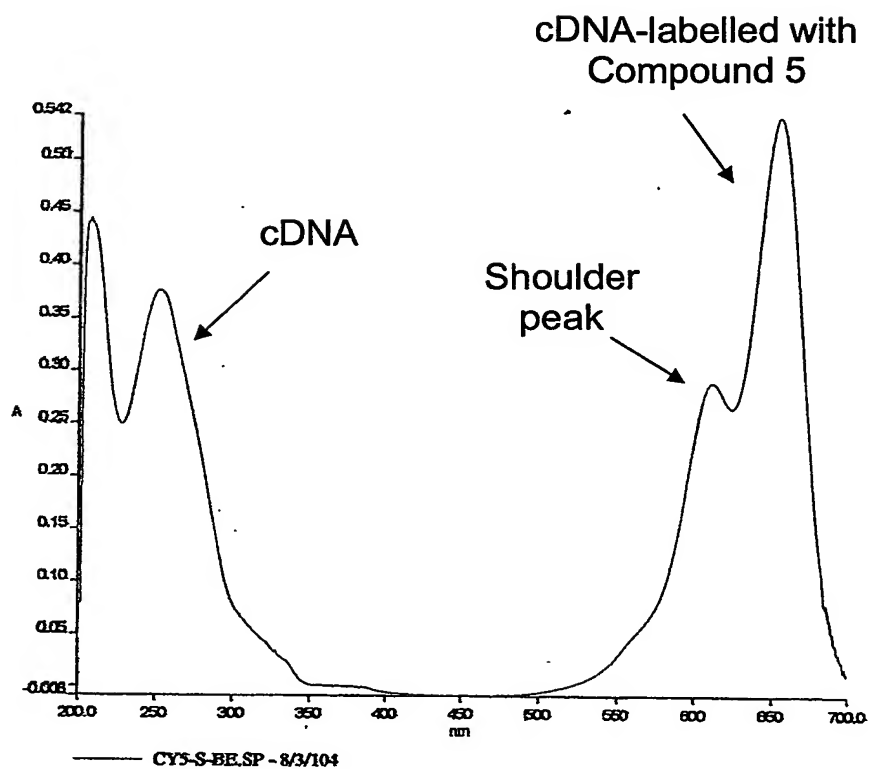


**FIGURE 5**

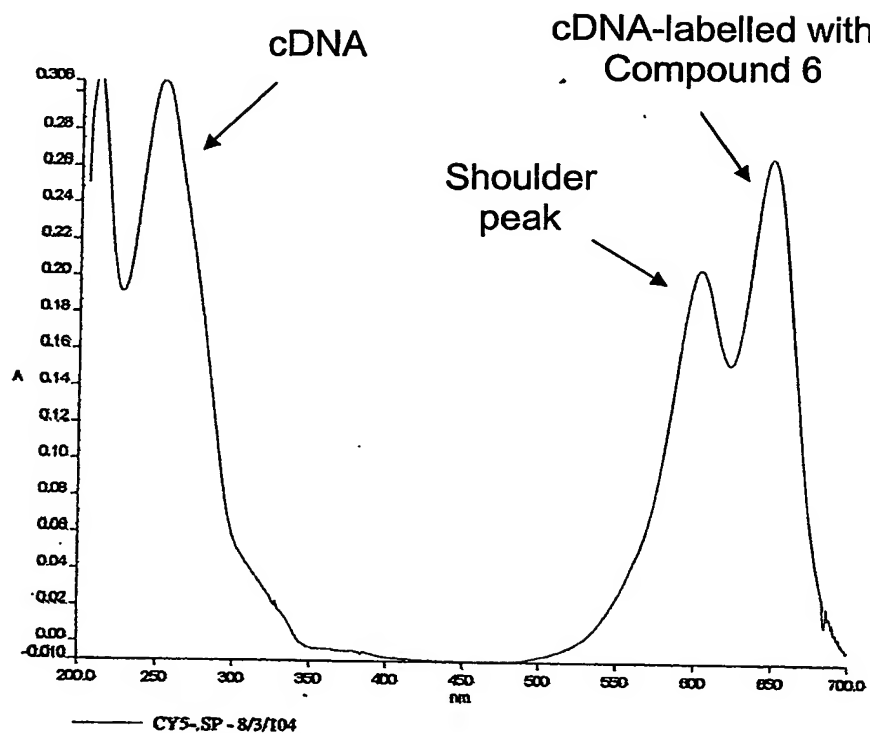
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**Spectral scan (200-700nm) of cDNA labelled with Compound 2****FIGURE 6**

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**Spectral scan (200-700nm) of cDNA labelled with Compound 5****FIGURE 7**

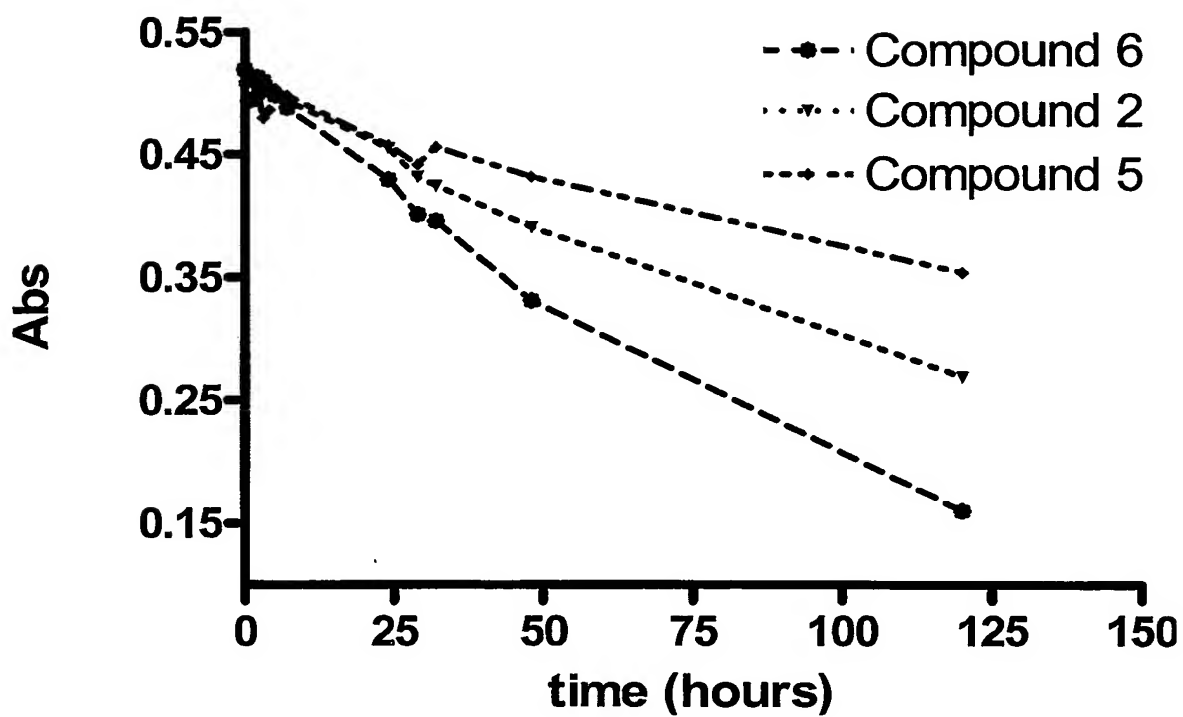
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**Spectral scan (200-700nm) of cDNA labelled with Compound 6****FIGURE 8**



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**Photostability studies of Compound 2 and Compound 5  
(vs Compound 6)**



**FIGURE 9**